CLAIMS

1. Subscriber identity module for a mobile communication terminal, comprising a processing device, a memory device, an I/O device and a wireless communication device,
characterized in that said wireless communication device is an interrogatable transponder.

2. Subscriber identity module according to claim 1,
wherein said interrogatable transponder is operatively controllable by said processing device.

3. Subscriber identity module according to claim 2,
wherein the transponder is arranged to be operatively enabled or disabled, controlled by a signal provided by the mobile communication terminal via said I/O device.

4. Subscriber identity module according to claim 3,
wherein said signal is provided by a user interface in the mobile terminal.

5. Subscriber identity module according to claim 4,
wherein said signal is provided by a mobile communication operator.

6. Subscriber identity module according to claim 2,
wherein said interrogatable transponder comprises identification data contained in a memory, said identification data being configurable by said processing device.

7. Subscriber identity module according to claim 6,
wherein said identification data is provided by the mobile communication terminal via said I/O device.

8. Subscriber identity module according to claim 7,
wherein said identification data is provided by a mobile communication operator.

9. Subscriber identity module according to claim 3,
wherein said interrogatable transponder is arranged to transmit a RF signal coded with said identification data when interrogated by an external interrogating RF device.

10. Subscriber identity module according to one of the claims 1-9,
wherein said transponder is an active RFID transponder.

11. Subscriber identity module according to claim 10,
wherein said transponder is a separate device, comprising a processing device, a memory device and an I/O device connected to an antenna.

12. Subscriber identity module according to claim 10,
wherein said transponder comprises an antenna, and wherein further RFID transponder functionality is implemented by means of the processing device and the memory device included in said subscriber identity module.

13. Use of a subscriber identity module according to one of the claims 1-12, as an authentication token.

14. Use of a subscriber identity module according to one of the claims 1-14, as an authentication token for an access control system.

15. Use of a subscriber identity module according to one of the claims 1-12, as an authentication token for a mobile commerce system.

16 Mobile communication terminal, comprising a subscriber identity module according to one of the claims 1-12.

17. Use of a mobile communication terminal, comprising a subscriber identity module according to one of the claims 1-12, as an authentication token.

18. Use of a mobile communication terminal, comprising a subscriber identity module according to one of the claims 1-12, as an authentication token for an access control system.

19 Use of a mobile communication terminal, comprising a subscriber identity module according to one of the claims 1-12, as an authentication token for a mobile commerce system.

20. Method for execution by a subscriber identity module, for the purpose of providing secure data communication between the subscriber identity module and an external interrogating device, said subscriber identity module comprising a processing device, a memory device containing a private key, an I/O device, and an interrogatable transponder,
said method comprising the steps of
- transmitting identification data upon an interrogation by the external interrogating device,
- receiving an encrypted message from the external communication device, said message being encrypted with a public key associated with said identification data,
- decrypting said encrypted message using said private key,
- using the decrypted message as a shared key to encrypt further data communication between the subscriber identity module and the external interrogating device.

21. Method according to claim 20,
wherein said public key is provided by said external interrogating device by

searching a database in order to match said identification with the corresponding public key.